

EAGLE MOUNTAIN LAKE

Azle's Source of Water

Aesthetic Issues In Drinking Water

How does the City respond to the issues?

The City of Azle takes pride in the quality of water we supply to our community. We take every measure to assure that raw water from the lake is purified, disinfected, and delivered to your home according to State regulations.

We understand that at times there may be taste, odor, or color issues that can be inconvenient for our residents. The most common practice for the removal of aesthetic issues is to flush water lines through the many fire hydrants within the City.

You can help minimize taste and odor issues in your home by running water in your sinks or bathtub until the issue is gone. Also, periodically flushing your hot water heater helps remove mineral deposits that contribute to aesthetic issues.

Taste and Odor

Taste and odor in drinking water occurs naturally in the source, Eagle Mountain Lake. The major contributors are various **algae**, which produce a harmless by-product called **geosmin** that creates an “earthy” or “muddy” taste. Typically, geosmin levels in the lake average 20-40 ppt (part per trillion); however, during summer and winter, geosmin levels have reached as high as 400 ppt.

The second reason for unpleasant taste and odor is often referred to as “lake turn-over.” Water temperatures at various depths shift, causing a poorer quality of water to rise closer to the surface—this generally occurs in Spring and Fall when ambient temperature fluctuates most.

Water with high geosmin and turn-over issues is difficult to treat; however, we are implementing various treatment techniques that have aided in the removal of taste and odor.

Color

Color is another aesthetic issue that arises from time to time in any distribution system. “Red water” is primarily due to corrosion (rust build-up in metal pipe) that occurs in parts of the 125 miles of pipe in our system.

Although there are no associated adverse health effects, we understand that high color in your water is undesirable. The only remedy to the effect is to flush water mains.

If you experience taste, odor, or color in your water, please call **817-444-2541** to report the issue. If you have further questions regarding water quality, please call the **Azle Water Treatment Plant** at **817-752-2686**.